

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Product form : Substance  
Trade name : JUNIPERBERRY OIL  
CAS-No. : 8002-68-4  
Product code : 8428

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### 1.2.1. Relevant identified uses

Main use category : Industrial use

#### 1.2.2. Uses advised against

Restrictions on use : Ultimate consumer use

### 1.3. Details of the supplier of the safety data sheet

#### Manufacturer/Supplier

FROMA ESANS ve AROMA SANAYI TICARET A.S  
Orhangazi Mah.İsıso San. Sit. 5.Yol Sok.No:23-25-27  
34538 Esenyurt-Istanbul-TR  
kalite@froma.com.tr  
Further information obtainable from: Quality Assurance&Quality Control Department

### 1.4. Emergency telephone number

Emergency number : +90 212 623 02 90  
(Mon - Fri, 08:30 - 18:30 GMT+3)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

|   |      |
|---|------|
| Flammable liquids, Category 3                                     | H226 |
| Skin corrosion/irritation, Category 2                             | H315 |
| Serious eye damage/eye irritation, Category 2                     | H319 |
| Skin sensitisation, Category 1                                    | H317 |
| Reproductive toxicity, Category 2                                 | H361 |
| Aspiration hazard, Category 1                                     | H304 |
| Hazardous to the aquatic environment — Chronic Hazard, Category 2 | H411 |

Full text of H statements : see section 16

#### Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

### 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms  
(CLP)



GHS02

GHS07

GHS08

GHS09

Signal word (CLP)

: Danger

# JUNIPERBERRY OIL

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

|                                |  |
|--------------------------------|--|
| Hazard statements (CLP)        | : H226 - Flammable liquid and vapour.<br>H304 - May be fatal if swallowed and enters airways.<br>H315 - Causes skin irritation.<br>H317 - May cause an allergic skin reaction.<br>H319 - Causes serious eye irritation.<br>H361 - Suspected of damaging fertility or the unborn child.<br>H411 - Toxic to aquatic life with long lasting effects.  |
| Precautionary statements (CLP) | : P201 - Obtain special instructions before use.<br>P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.<br>P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.<br>P301+P310+P331 - IF SWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT induce vomiting.<br>P321 - Specific treatment (see supplemental first aid instruction on this label).<br>P391 - Collect spillage. |

### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

| Name             | Product identifier  | %   | Classification according to Regulation (EC) No. 1272/2008 [CLP]  |
|------------------|---------------------|-----|--|
| JUNIPERBERRY OIL | (CAS-No.) 8002-68-4 | 100 | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Skin Sens. 1, H317<br>Repr. 2, H361<br>Asp. Tox. 1, H304<br>Aquatic Chronic 2, H411 |

Full text of H-statements: see section 16

### 3.2. Mixtures

Not applicable

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                                       |  |
|---------------------------------------|--|
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing. If the victim is unconscious<br>: Place the affected person in the recovery position. Allow affected person to breathe fresh air. If experiencing respiratory symptoms: Call a poison center or a doctor. |
| First-aid measures after skin contact | : Wash off with soap and plenty of water. Rinse skin with water/shower.  |
| First-aid measures after eye contact  | : In case of contact, immediately rinse eyes with plenty of water for at least 15 minutes.   |
| First-aid measures after ingestion    | : Call a poison center or a doctor if you feel unwell.   |

### 4.2. Most important symptoms and effects, both acute and delayed

No additional information available

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

# JUNIPERBERRY OIL

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media : Dry powder. Carbon dioxide. For large fire: Water spray. Foam.  
Unsuitable extinguishing media : Strong water jet.

#### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic fumes may be released. fume.

#### 5.3. Advice for firefighters

Firefighting instructions : Move containers away from the fire area if this can be done without risk. Keep upwind. Use water spray or fog for cooling exposed containers.  
Protection during firefighting : Wear fire/flare resistant/retardant clothing. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. Evacuate unnecessary personnel.  
Other information : Do not allow run-off from fire fighting to enter drains or water courses.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area.

##### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".  
Emergency procedures : Evacuate area.

#### 6.2. Environmental precautions

Avoid release to the environment. Notify authorities if liquid enters sewers or public waters.

#### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material. Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Ensure adequate ventilation.  
Other information : Dispose of materials or solid residues at an authorized site.

#### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". Concerning disposal elimination after cleaning, see section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Prevent aerosol formation or splashes.  
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool. Keep only in original container. Keep container tightly closed.

#### 7.3. Specific end use(s)

No additional information available

# JUNIPERBERRY OIL

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No additional information available

#### 8.2. Exposure controls

##### Appropriate engineering controls:

Ensure good ventilation of the work station.

##### Personal protective equipment:

Gloves. Protective goggles.

##### Hand protection:

Chemically resistant protective gloves. Consult supplier for specific recommendations. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. Breakthrough time : refer to the recommendations of the supplier

##### Eye protection:

tightly fitting safety goggles

##### Skin and body protection:

Wear suitable protective clothing

##### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

##### Personal protective equipment symbol(s):



##### Environmental exposure controls:

Avoid release to the environment.

##### Consumer exposure controls:

Do not eat, drink or smoke during use. Take off immediately all contaminated clothing. Always wash hands after handling the product. Avoid contact with skin and eyes.

##### Other information:

Keep away from food, drink and animal feedingstuffs.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

|  |                     |
|--|---------------------|
| Physical state                             | : Liquid            |
| Colour                                     | : No data available |
| Odour                                      | : No data available |
| Odour threshold                            | : No data available |
| pH   | : No data available |
| Relative evaporation rate (butylacetate=1) | : No data available |
| Melting point                              | : Not applicable    |
| Freezing point                             | : No data available |
| Boiling point                              | : No data available |

# JUNIPERBERRY OIL

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

|   |                       |
|---|-----------------------|
| Flash point                                     | : 42 °C               |
| Auto-ignition temperature                       | : No data available   |
| Decomposition temperature                       | : No data available   |
| Flammability (solid, gas)                       | : Not applicable      |
| Vapour pressure                                 | : No data available   |
| Relative vapour density at 20 °C                | : No data available   |
| Relative density                                | : No data available   |
| Solubility                                      | : insoluble in water. |
| Partition coefficient n-octanol/water (Log Pow) | : No data available   |
| Viscosity, kinematic                            | : No data available   |
| Viscosity, dynamic                              | : No data available   |
| Explosive properties                            | : No data available   |
| Oxidising properties                            | : No data available   |
| Explosive limits                                | : No data available   |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

|                                   |  |
|-----------------------------------|--|
| Acute toxicity (oral)             | : Not classified                                       |
| Acute toxicity (dermal)           | : Not classified                                       |
| Acute toxicity (inhalation)       | : Not classified                                       |
| Skin corrosion/irritation         | : Causes skin irritation.                              |
| Serious eye damage/irritation     | : Causes serious eye irritation.                       |
| Respiratory or skin sensitisation | : May cause an allergic skin reaction.                 |
| Germ cell mutagenicity            | : Not classified                                       |
| Carcinogenicity                   | : Not classified                                       |
| Reproductive toxicity             | : Suspected of damaging fertility or the unborn child. |
| STOT-single exposure              | : Not classified                                       |

# JUNIPERBERRY OIL

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

STOT-repeated exposure : Not classified  
Aspiration hazard : May be fatal if swallowed and enters airways.

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.  
Hazardous to the aquatic environment, short-term (acute) : Not classified  
Hazardous to the aquatic environment, long-term (chronic) : Toxic to aquatic life with long lasting effects.  
Not rapidly degradable  
Additional information : Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Avoid release to the environment.

#### 12.2. Persistence and degradability

No additional information available

#### 12.3. Bioaccumulative potential

No additional information available

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Results of PBT and vPvB assessment

No additional information available

#### 12.6. Other adverse effects

No additional information available

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.  
Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.  
Sewage disposal recommendations : Prevent entry to sewers and public waters.  
Product/Packaging disposal recommendations : Do not dispose of with domestic waste.

### SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

| ADR                                  | IMDG                        | IATA                     | ADN                         | RID                         |
|--------------------------------------|-----------------------------|--------------------------|-----------------------------|-----------------------------|
| <b>14.1. UN number</b>               |                             |                          |                             |                             |
| UN 1993                              | UN 1993                     | UN 1993                  | UN 1993                     | UN 1993                     |
| <b>14.2. UN proper shipping name</b> |                             |                          |                             |                             |
| FLAMMABLE LIQUID,<br>N.O.S.          | FLAMMABLE LIQUID,<br>N.O.S. | Flammable liquid, n.o.s. | FLAMMABLE LIQUID,<br>N.O.S. | FLAMMABLE LIQUID,<br>N.O.S. |

# JUNIPERBERRY OIL






## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### Transport document description

|  |  |   |   |   |
|--|--|---|---|---|
| UN 1993 FLAMMABLE LIQUID, N.O.S., 3, I, (D/E), ENVIRONMENTALLY HAZARDOUS | UN 1993 FLAMMABLE LIQUID, N.O.S., 3, I, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS | UN 1993 Flammable liquid, n.o.s., 3, I, ENVIRONMENTALLY HAZARDOUS | UN 1993 FLAMMABLE LIQUID, N.O.S., 3, I, ENVIRONMENTALLY HAZARDOUS | UN 1993 FLAMMABLE LIQUID, N.O.S., 3, I, ENVIRONMENTALLY HAZARDOUS |
|--|--|---|---|---|

### 14.3. Transport hazard class(es)

|   |   |   |  |   |
|---|---|---|--|---|
| 3   | 3   | 3   | 3  | 3   |
|  |  |  |  |  |

### 14.4. Packing group

|   |   |   |   |   |
|---|---|---|---|---|
| I | I | I | I | I |
|---|---|---|---|---|


### 14.5. Environmental hazards

|                                     |   |                                     |                                     |                                     |
|-------------------------------------|---|-------------------------------------|-------------------------------------|-------------------------------------|
| Dangerous for the environment : Yes | Dangerous for the environment : Yes<br>Marine pollutant : Yes | Dangerous for the environment : Yes | Dangerous for the environment : Yes | Dangerous for the environment : Yes |
|-------------------------------------|---|-------------------------------------|-------------------------------------|-------------------------------------|

No supplementary information available

### 14.6. Special precautions for user

#### Overland transport

|   |   |
|---|---|
| Classification code (ADR)                                 | : F1  |
| Special provisions (ADR)                                  | : 274   |
| Limited quantities (ADR)                                  | : 0   |
| Excepted quantities (ADR)                                 | : E3  |
| Packing instructions (ADR)                                | : P001  |
| Mixed packing provisions (ADR)                            | : MP7, MP17   |
| Portable tank and bulk container instructions (ADR)       | : T11   |
| Portable tank and bulk container special provisions (ADR) | : TP1, TP27   |
| Tank code (ADR)   | : L4BN  |
| Vehicle for tank carriage                                 | : FL  |
| Transport category (ADR)                                  | : 1   |
| Special provisions for carriage - Operation (ADR)         | : S2, S20   |
| Hazard identification number (Kemler No.)                 | : 33  |
| Orange plates   | :  |

Tunnel restriction code (ADR) : D/E

#### Transport by sea

|                                |             |
|--------------------------------|-------------|
| Special provisions (IMDG)      | : 274       |
| Limited quantities (IMDG)      | : 0         |
| Excepted quantities (IMDG)     | : E3        |
| Packing instructions (IMDG)    | : P001      |
| Tank instructions (IMDG)       | : T11       |
| Tank special provisions (IMDG) | : TP1, TP27 |
| EmS-No. (Fire)                 | : F-E       |
| EmS-No. (Spillage)             | : S-E       |
| Stowage category (IMDG)        | : E         |

#### Air transport

PCA Excepted quantities (IATA) : E3

# JUNIPERBERRY OIL

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

|  |             |
|--|-------------|
| PCA Limited quantities (IATA)                | : Forbidden |
| PCA limited quantity max net quantity (IATA) | : Forbidden |
| PCA packing instructions (IATA)              | : 351       |
| PCA max net quantity (IATA)                  | : 1L        |
| CAO packing instructions (IATA)              | : 361       |
| CAO max net quantity (IATA)                  | : 30L       |
| Special provisions (IATA)                    | : A3        |
| ERG code (IATA)                              | : 3H        |

### Inland waterway transport

|                                   |             |
|-----------------------------------|-------------|
| Classification code (ADN)         | : F1        |
| Special provisions (ADN)          | : 274       |
| Limited quantities (ADN)          | : 0         |
| Excepted quantities (ADN)         | : E3        |
| Equipment required (ADN)          | : PP, EX, A |
| Ventilation (ADN)                 | : VE01      |
| Number of blue cones/lights (ADN) | : 1         |

### Rail transport

|   |             |
|---|-------------|
| Classification code (RID)                                 | : F1        |
| Special provisions (RID)                                  | : 274       |
| Limited quantities (RID)                                  | : 0         |
| Excepted quantities (RID)                                 | : E3        |
| Packing instructions (RID)                                | : P001      |
| Mixed packing provisions (RID)                            | : MP7, MP17 |
| Portable tank and bulk container instructions (RID)       | : T11       |
| Portable tank and bulk container special provisions (RID) | : TP1, TP27 |
| Tank codes for RID tanks (RID)                            | : L4BN      |
| Transport category (RID)                                  | : 1         |
| Hazard identification number (RID)                        | : 33        |

## 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

| Reference code | Applicable on |
|----------------|---------------|
| 3(a)           |               |
| 3(b)           |               |
| 3(c)           |               |
| 40.            |               |

is not subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

is not subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

#### 15.1.2. National regulations

No additional information available

## 15.2. Chemical safety assessment

No chemical safety assessment has been carried out



# JUNIPERBERRY OIL

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### SECTION 16: Other information

| Abbreviations and acronyms: |   |
|-----------------------------|---|
| ADN                         | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways   |
| ADR                         | European Agreement concerning the International Carriage of Dangerous Goods by Road               |
| ATE                         | Acute Toxicity Estimate   |
| BCF                         | Bioconcentration factor   |
| CLP                         | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008                       |
| DMEL                        | Derived Minimal Effect level  |
| DNEL                        | Derived-No Effect Level   |
| EC50                        | Median effective concentration  |
| IARC                        | International Agency for Research on Cancer   |
| IATA                        | International Air Transport Association   |
| IMDG                        | International Maritime Dangerous Goods  |
| LC50                        | Median lethal concentration   |
| LD50                        | Median lethal dose  |
| LOAEL                       | Lowest Observed Adverse Effect Level  |
| NOAEC                       | No-Observed Adverse Effect Concentration  |
| NOAEL                       | No-Observed Adverse Effect Level  |
| NOEC                        | No-Observed Effect Concentration  |
| OECD                        | Organisation for Economic Co-operation and Development  |
| PBT                         | Persistent Bioaccumulative Toxic  |
| PNEC                        | Predicted No-Effect Concentration   |
| REACH                       | Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006 |
| RID                         | Regulations concerning the International Carriage of Dangerous Goods by Rail                      |
| SDS                         | Safety Data Sheet   |
| STP                         | Sewage treatment plant  |
| TLM                         | Median Tolerance Limit  |
| vPvB                        | Very Persistent and Very Bioaccumulative  |

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006. Supplier's safety documents. ECHA (European Chemicals Agency).

Training advice : Normal use of this product shall imply use in accordance with the instructions on the packaging.

#### Full text of H- and EUH-statements:

|                   |   |
|-------------------|---|
| Aquatic Chronic 2 | Hazardous to the aquatic environment — Chronic Hazard, Category 2 |
| Asp. Tox. 1       | Aspiration hazard, Category 1                                     |
| Eye Irrit. 2      | Serious eye damage/eye irritation, Category 2                     |
| Flam. Liq. 3      | Flammable liquids, Category 3                                     |
| Repr. 2           | Reproductive toxicity, Category 2                                 |

# JUNIPERBERRY OIL

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

|               |  |
|---------------|--|
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2                |
| Skin Sens. 1  | Skin sensitisation, Category 1                       |
| H226          | Flammable liquid and vapour.                         |
| H304          | May be fatal if swallowed and enters airways.        |
| H315          | Causes skin irritation.                              |
| H317          | May cause an allergic skin reaction.                 |
| H319          | Causes serious eye irritation.                       |
| H361          | Suspected of damaging fertility or the unborn child. |
| H411          | Toxic to aquatic life with long lasting effects.     |

SDS EU (REACH Annex II)

**DISCLAIMER OF LIABILITY** The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable